

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1068	702/150.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 13:20
L2	395	702/151.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 13:21
L3	1102	250/231.13.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 13:21
L4	267	G01D5/34.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 13:21
L5	4939	G06F15/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 13:22
L6	0	702/150.ccls. and ((linear near3 scale) and ((scanning scanner reading reader) near3 (device encoder apparatus component element unit module part portion section)) and (linear near3 (measurement measuring) near3 direction) and ((analysis analyzing evaluation evaluating) near3 (module program algorithm software firmware process procedure)) and ((determination determining) with (angle incline slant tilt angular inclination skew) with (measured near3 position)) and ((determination determining) with (chronological chronologic time\$1wise sequential sequence progression advancement) with (angle incline slant tilt angular inclination skew))). clm.	US-PGPUB	OR	ON	2007/11/20 13:35

## EAST Search History

L7	0	702/151.ccls. and ((linear near3 scale) and ((scanning scanner reading reader) near3 (device encoder apparatus component element unit module part portion section)) and (linear near3 (measurement measuring) near3 direction) and ((analysis analyzing evaluation evaluating) near3 (module program algorithm software firmware process procedure)) and ((determination determining) with (angle incline slant tilt angular inclination skew) with (measured near3 position)) and ((determination determining) with (chronological chronologic time\$1wise sequential sequence progression advancement) with (angle incline slant tilt angular inclination skew))). clm.	US-PGPUB	OR	ON	2007/11/20 13:36
L8	0	250/231.13.ccls. and ((linear near3 scale) and ((scanning scanner reading reader) near3 (device encoder apparatus component element unit module part portion section)) and (linear near3 (measurement measuring) near3 direction) and ((analysis analyzing evaluation evaluating) near3 (module program algorithm software firmware process procedure)) and ((determination determining) with (angle incline slant tilt angular inclination skew) with (measured near3 position)) and ((determination determining) with (chronological chronologic time\$1wise sequential sequence progression advancement) with (angle incline slant tilt angular inclination skew))). clm.	US-PGPUB	OR	ON	2007/11/20 13:36
L9	0	702/150.ccls. and ((linear near3 scale) and ((scanning scanner reading reader) near3 (device encoder apparatus component element unit module part portion section)) and (linear near3 (measurement measuring) near3 direction) and ((analysis analyzing evaluation evaluating) near3 (module program algorithm software firmware process procedure)) and (angle incline slant tilt angular inclination skew) and (measured near3 position) and (chronological chronologic time\$1wise sequential sequence progression advancement)).clm.	US-PGPUB	OR	ON	2007/11/20 13:37

## EAST Search History

L10	0	702/151.ccls. and ((linear near3 scale) and ((scanning scanner reading reader) near3 (device encoder apparatus component element unit module part portion section)) and (linear near3 (measurement measuring) near3 direction) and ((analysis analyzing evaluation evaluating) near3 (module program algorithm software firmware process procedure)) and (angle incline slant tilt angular inclination skew) and (measured near3 position) and (chronological chronologic time\$1wise sequential sequence progression advancement)).clm.	US-PGPUB	OR	ON	2007/11/20 13:37
L11	0	250/231.13.ccls. and ((linear near3 scale) and ((scanning scanner reading reader) near3 (device encoder apparatus component element unit module part portion section)) and (linear near3 (measurement measuring) near3 direction) and ((analysis analyzing evaluation evaluating) near3 (module program algorithm software firmware process procedure)) and (angle incline slant tilt angular inclination skew) and (measured near3 position) and (chronological chronologic time\$1wise sequential sequence progression advancement)).clm.	US-PGPUB	OR	ON	2007/11/20 13:37
S1	80	(strasser same erich).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 06:48
S2	85	(strasser same e).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 13:54
S3	2093	(strasser).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 13:55
S4	2513	(heidenhain same johannes).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 13:55

## EAST Search History

S5	8	(heidenhain same j).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 13:55
S6	2547	(heidenhain).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 13:55
S7	269645	((angle angular perspective viewpoint) near5 (incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:21
S8	225058	((linear successive straight) with (position location positioning locating displacement displacing movement translation rotation rotary rotating) with (system component device mechanism machine instrument apparatus appliance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 13:57
S9	491595	((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 13:56
S10	30112	((chronologic chronological sequential sequenced sequence time time\$1wise) near3 (progression advancement succession))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 13:56
S11	472241	((linear successive straight) with (direction scale graduation grating code coding index indice arrangement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:01

## EAST Search History

S12	12332	S7 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:01
S13	15861	S7 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:01
S14	622	S7 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:01
S15	28511	S7 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:01
S16	20031	S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:01
S17	1998	S8 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:01
S18	91152	S8 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:01

## EAST Search History

S19	3221	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:02
S20	42916	S9 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:02
S21	3698	S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:02
S22	2205	S7 and S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:02
S23	107	S7 and S8 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:09
S24	6806	S7 and S8 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:02
S25	129	S7 and S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:02

## EAST Search History

S26	4706	S7 and S9 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:02
S27	180	S7 and S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:03
S28	422	S8 and S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:03
S29	10967	S8 and S9 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:03
S30	983	S8 and S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:03
S31	732	S9 and S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:03
S32	37	S7 and S8 and S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:04

## EAST Search History

S33	1595	S7 and S8 and S9 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:04
S34	61	S7 and S9 and S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:04
S35	253	S8 and S9 and S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:04
S36	28	S7 and S8 and S9 and S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:04
S37	1646	S7 same S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:09
S38	2121	S7 same S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:09
S39	42	S7 same S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:10



## EAST Search History

S40	5019	S7 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:10
S41	4905	S8 same S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:10
S42	332	S8 same S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:10
S43	62480	S8 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:10
S44	275	S9 same S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:10
S45	8005	S9 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:10
S46	551	S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:11

## EAST Search History

S47	33	S7 same S8 same S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:11
S48	0	S7 same S8 same S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:11
S49	544	S7 same S8 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:11
S50	1	S7 same S9 same S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:12
S51	82	S7 same S9 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:12
S52	2	S7 same S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:12
S53	19	S8 same S9 same S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:12

## EAST Search History

S54	1947	S8 same S9 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:12
S55	109	S8 same S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:12
S56	21	S9 same S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:12
S57	0	S7 same S8 same S9 same S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:13
S58	16	S7 same S8 same S9 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:13
S59	0	S7 same S9 same S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:13
S60	10	S8 same S9 same S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:14

## EAST Search History

S61	0	S7 same S8 same S9 same S10 same S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:14
S62	129	(S50 S53 S55 S56 S57 S60)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:16
S63	170	((determine measure detect record determining detecting measuring recording determination detection measurement) with (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance adapting adaptation adapted varied) with ((angle angular perspective viewpoint) near5 (incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant))) same ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:51
S64	1	((determine measure detect record determining detecting measuring recording determination detection measurement) with (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance adapting adaptation adapted varied) with ((angle angular perspective viewpoint) near5 (incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant)) with ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism)) with (chronologically timewise "over time" serially sequentially sequential serial)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 14:57

## EAST Search History

S65	0	((precision precise accurate exact perfect critical) with (position positioning coordinate) with (measurement measuring determining determination detection detecting) with (machine mechanism device apparatus appliance component module element unit system table platform)) and ((determine measure detect record determining detecting measuring recording determination detection measurement) with (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance adapting adaptation adapted varied) with (angle angular perspective viewpoint incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant) with ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism)) with (chronologically timewise "over time" serially sequentially sequential serial))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:05
S66	41	((precision precise accurate exact perfect critical) with (position positioning coordinate) with (measurement measuring determining determination detection detecting) with (machine mechanism device apparatus appliance component module element unit system table platform)) and ((determine measure detect record determining detecting measuring recording determination detection measurement) with (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance adapting adaptation adapted varied) with (angle angular perspective viewpoint incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant) with ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism))) and (chronologically timewise "over time" serially sequentially sequential serial))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:27
S67	7082	((precision precise accurate exact perfect critical) near5 (position coordinate) near5 (measurement measuring determining determination detection detecting scanner scanning reader reading) near5 (machine mechanism device apparatus appliance component module element unit system table platform))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:23

## EAST Search History

S68	152	((determine measure detect record determining detecting measuring recording determination detection measurement) near5 (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance adapting adaptation adapted varied) near5 (angle angular perspective viewpoint incline inclination tilt skew skewing tilting sloping slantingskewness obliquity obliqueness distortion divergence slope slant angularity) near5 ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism assembly))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:27
S69	5429	((chronologically timewise "over time" serially sequentially sequential serial chronological) near3 (progression advancement progress headway))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:29
S70	0	((display present show render rendering rendition displaying displayed showing presenting presentation report reported reporting) near5 (number value parameter quantity amount level) near5 (representing representation representative symbol symbolizing symbolize description describing describe symbolized represented described) near5 (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance adapting adaptation adapted varied) with ((angle angular perspective viewpoint) near5 (incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant)) with ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:38
S71	6	S67 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:37

## EAST Search History

S72	8	S67 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:37
S73	1	S68 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:37
S74	0	S67 and S68 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:37
S75	1	((display present show render rendering rendition displaying displayed showing presenting presentation report reported reporting) with (number value parameter quantity amount level) with (representing representation representative symbol symbolizing symbolize description describing describe symbolized represented described) with (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance adapting adaptation adapted varied) with ((angle angular perspective viewpoint) with (incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant)) with ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:40

## EAST Search History

S76	496	((display present show render rendering rendition displaying displayed showing presenting presentation report reported reporting) with (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance varied) with (angle angular perspective viewpoint incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant) with ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:45
S77	106	((display present show render rendering rendition displaying displayed showing presenting presentation report reported reporting) near5 (change modified altered adjusted corrected changed altering adjusting adjustment alteration altered adjusted correction correcting modifying modification modify variation variance varied) near5 (angle angular perspective viewpoint incline inclination tilt skew skewness obliquity obliqueness distortion divergence slope slant) near5 ((scanner scanning reader reading) near3 (device apparatus instrument equipment appliance module component element unit station machine mechanism)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/19 15:46
S78	101	(position near3 (measurement measuring determining determination) near3 (machine mechanism device system apparatus appliance)) and (((scanning scanner reader reading scan read) near3 (device apparatus component unit element module)) with ((skew tilt angle slope slant lean skewness tilting angularity slanting angular leaning) near3 (detection sense detect sensing detecting detected sensed observe observation observing observed record recorded recording)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:04
S79	3	(linear near3 (position coordinate) near3 (measuring measurement determining determination) near3 (machine mechanism apparatus device system table platen platform)) and (linear near3 (measuring measurement) near3 direction) and (linear near3 (scale indicia index indice graduation scale ruling scaling mark marking)) and ((scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:13



## EAST Search History

S80	757869	((scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly encoder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:35
S81	588	(linear near3 (position coordinate) near3 (measuring measurement determining determination) near3 (machine mechanism apparatus device system table platen platform))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:20
S82	364	(linear near3 (measuring measurement) near3 direction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:13
S83	38977	(linear near3 (scale indicia index indice graduation scale ruling scaling mark marking ruler encoder encoding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:25
S84	3	S81 and S82 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:14
S85	13	S81 and S82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:16
S86	134	S81 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:18

## EAST Search History

S87	72	S82 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:15
S88	3	S80 and S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:15
S89	10	S80 and S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:15
S90	68	S80 and S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:15
S91	23	S80 and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:15
S92	2030	(linear and (position coordinate) and (measuring measurement determining determination) and (machine mechanism apparatus device system table platen platform) and direction and (scale indicia index indice graduation scale ruling scaling mark marking ruler encoder encoding)) and ((angle tilt incline angularity slant slope inclination angular) near5 (scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly encoder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:26

## EAST Search History

S93	11	(linear same (position coordinate) same (measuring measurement determining determination) same (machine mechanism apparatus device system table platen platform) same direction same (scale indicia index indice graduation scale ruling scaling mark marking ruler encoder encoding)) same ((angle tilt incline angularity slant slope inclination angular) near5 (scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly encoder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:32
S94	6	S86 and ((angle tilt incline angularity slant slope inclination angular) near5 (scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly encoder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:32
S95	25105	((determine detect measure record determining detecting measuring recording measurement detection determined detected measured recorded) same ((scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly encoder)) same (angle angularity angular tilt tilting angled tilted slant slanting slanted skew skewed skewness incline inclined inclining inclination))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:39
S96	60	((determine detect measure record determining detecting measuring recording measurement detection determined detected measured recorded) same ((scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly encoder)) same (angle angularity angular tilt tilting angled tilted slant slanting slanted skew skewed skewness incline inclined inclining inclination)) and (linear near3 (position coordinate) near3 (measuring measurement determining determination) near3 (machine mechanism apparatus device system table platen platform))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:40

## EAST Search History

S97	13	((determine detect measure record determining detecting measuring recording measurement detection determined detected measured recorded) same ((scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly encoder)) same (angle angularity angular tilt tilting angled tilted slant slanting slanted skew skewed skewness incline inclined inclining inclination)) and (linear near3 (measuring measurement) near3 direction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:40
S98	768	((determine detect measure record determining detecting measuring recording measurement detection determined detected measured recorded) same ((scan read scanning reading scanner reader) near3 (device apparatus appliance machine mechanism unit element component module assembly encoder)) same (angle angularity angular tilt tilting angled tilted slant slanting slanted skew skewed skewness incline inclined inclining inclination)) and (linear near3 (scale indicia index indice graduation scale ruling scaling mark marking ruler encoder encoding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 07:40
S99	1157	S83 and S80 and ((evaluation evaluating analysis analyzing computing computational mathematical mathematic evaluate analytical analytic) near3 (module program procedure algorithm software firmware))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:41
S100	62	(S83 same S80) and ((evaluation evaluating analysis analyzing computing computational mathematical mathematic evaluate analytical analytic) near3 (module program procedure algorithm software firmware))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:29
S101	1	S83 same S80 same ((evaluation evaluating analysis analyzing computing computational mathematical mathematic evaluate analytical analytic) near3 (module program procedure algorithm software firmware))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:33
S102	66	S83 and (S80 same ((evaluation evaluating analysis analyzing computing computational mathematical mathematic evaluate analytical analytic) near3 (module program procedure algorithm software firmware)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:33

## EAST Search History

S103	16	S80 and (S83 same ((evaluation evaluating analysis analyzing computing computational mathematical mathematic evaluate analytical analytic) near3 (module program procedure algorithm software firmware)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:38
S104	14146	linear adj (scale indicia scaling graduation ruling mark marking index indice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:39
S105	121698	(scan scanner scanning) adj (device mechanism machine element unit module component system assembly encoder detector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:41
S106	216289	((evaluation evaluating analysis analyzing computing computational mathematical mathematic evaluate analytical analytic) near3 (module program procedure algorithm software firmware))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:42
S107	1153	((determine determination determining record recording determined recorded monitor monitored monitoring observe observed observing observation) with (angle tilt slant incline slope angularity angular tilting slanting inclining inclination inclined) with ((scan scanner scanning) adj (device mechanism machine element unit module component system assembly encoder detector)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:50
S108	1	((determine determination determining record recording determined recorded monitor monitored monitoring observe observed observing observation) with (chronologic time\$1wise chronological "change with time" "change over time") with (angle tilt slant incline slope angularity angular tilting slanting inclining inclination inclined) with ((scan scanner scanning) adj (device mechanism machine element unit module component system assembly encoder detector)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:58

## EAST Search History

S109	0	S104 and S105 and S106 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:50
S110	520	S104 and S105	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:50
S111	1158	S104 and S106	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:50
S112	9	S104 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:52
S113	7930	S105 and S106	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:51
S114	1153	S105 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:51
S115	56	S106 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:54

## EAST Search History

S116	48	S104 and S105 and S106	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:51
S117	9	S104 and S105 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:51
S118	0	S104 and S106 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:51
S119	56	S105 and S106 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 08:51
S120	395	((determine determination determining record recording determined recorded monitor monitored monitoring observe observed observing observation detect detecting detection) same (variation variance variability oscillation oscillating) same ((position coordinate) adj (measuring measurement determining determination) adj (machine mechanism apparatus device system table platen platform)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 09:02
S121	213	((determine determination determining record recording determined recorded monitor monitored monitoring observe observed observing observation detect detecting detection) with (variation variance variability oscillation oscillating)) same ((position coordinate) adj (measuring measurement determining determination) adj (machine mechanism apparatus device system table platen platform)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 09:03

## EAST Search History

S122	137	((determine determination determining record recording determined recorded monitor monitored monitoring observe observed observing observation detect detecting detection) with (variation variance variability oscillation oscillating) with ((position coordinate) adj (measuring measurement determining determination) adj (machine mechanism apparatus device system table platen platform)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 09:16
S123	779	((determine determination determining record recording determined recorded monitor monitored monitoring observe observed observing observation detect detecting detection) with (variation variance variability oscillation oscillating misalignment) with ((scan scanner scanning) adj (device mechanism machine element unit module component system assembly encoder detector)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 09:18
S124	54	((determine determination determining record recording determined recorded monitor monitored monitoring observe observed observing observation detect detecting detection) with (variation variance variability oscillation oscillating misalignment) with ((scan scanner scanning) adj (device mechanism machine element unit module component system assembly encoder detector))) and (position near3 (measurement measuring determining determination) near3 (machine mechanism device system apparatus appliance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 09:25
S125	6	((determine determination determining record recording determined recorded monitor monitored monitoring observe observed observing observation detect detecting detection) with (variation variance variability oscillation oscillating misalignment) with ((scan scanner scanning) adj (device mechanism machine element unit module component system assembly encoder detector)) with (angle alignment angularity skew tilt skewness skewing angular tilting incline inclining inclination)) and (position near3 (measurement measuring determining determination) near3 (machine mechanism device system apparatus appliance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/11/20 09:36



## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	(position near3 (measuring measurement) near3 (device system apparatus module machine mechanism)) and ((linear sequential) with (scale ruling scaling mark graduation)) and ((scanning scanner reading reader optic optical) near3 (device detector apparatus module part portion element unit)) and ((detecting determining detection determination measurement measuring measure detect determine detected determined measured sensing sensed sense) with ((plural several plurality numerous multiple some many multiplicity) with (angular incline inclination angularity slope slant tilt angle) with ((scanning scanner reading reader optic optical) near3 (device detector apparatus module part portion element unit)) with (relative respective relatively respectively "with respect to") with ((linear sequential) near3 ((scale ruling scaling mark graduation))))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:24
S2	28796	(position near3 (measuring measurement) near3 (device system apparatus module machine mechanism))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:23
S3	42880	((linear sequential) with (scale ruling scaling mark graduation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:24
S4	1204160	((scanning scanner reading reader optic optical) near3 (device detector apparatus module part portion element unit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:24

## EAST Search History

S5	1	((detecting determining detection determination measurement measuring measure detect determine detected determined measured sensing sensed sense) with ((plural several plurality numerous multiple some many multiplicity) with (angular incline inclination angularity slope slant tilt angle) with ((scanning scanner reading reader optic optical) near3 (device detector apparatus module part portion element unit)) with (relative respective relatively respectively "with respect to") with ((linear sequential) near3 ((scale ruling scaling mark graduation))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:28
S6	0	((chronomatic chronometric chronology chronologic chronological time time\$1wise) near3 (progress sequence sequential progression)) with ((plural several plurality numerous multiple some many multiplicity) with (angular incline inclination angularity slope slant tilt angle) with ((scanning scanner reading reader optic optical) near3 (device detector apparatus module part portion element unit)) with (relative respective relatively respectively "with respect to") with ((linear sequential) near3 ((scale ruling scaling mark graduation))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:32
S7	2	((chronomatic chronometric chronology chronologic chronological time time\$1wise) near3 (progress sequence sequential progression)) with ((plural several plurality numerous multiple some many multiplicity) with (angular incline inclination angularity slope slant tilt angle) with ((scanning scanner reading reader optic optical) near3 (device detector apparatus module part portion element unit)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:34
S8	30	((chronomatic chronometric chronology chronologic chronological time time\$1wise) with (progress sequence sequential progression)) same ((plural several plurality numerous multiple some many multiplicity) with (angular incline inclination angularity slope slant tilt angle) with ((scanning scanner reading reader optic optical) near3 (device detector apparatus module part portion element unit)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:39
S9	504	((chronomatic chronometric chronology chronologic chronological time time\$1wise) with (plural several plurality numerous multiple some many multiplicity) with (angular incline inclination angularity slope slant tilt angle) with ((scanning scanner reading reader optic optical) near3 (device detector apparatus module part portion element unit)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:41

## EAST Search History

S10	1006	S2 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:41
S11	617	S2 and S3 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:41
S12	2	S2 and S3 and S4 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 14:52
S13	135	356/486.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:52
S14	158	356/493.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:52
S15	376	356/498.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:53
S16	430	702/94.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:53
S17	569	702/127.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:53
S18	1029	702/150.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:53
S19	385	702/151.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:53
S20	0	702/151.ccls. and 356/486.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:54
S21	0	702/151.ccls. and 356/493.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:54
S22	1	702/151.ccls. and 356/498.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:55

## EAST Search History

S23	947	G01B9/02.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:55
S24	118	G01C17/38.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:56
S25	73	G01D1/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:56
S26	94	G01C9/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:56
S27	164	G01C19/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:56
S28	1	G01M11/04.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:56
S29	166	G01P21/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:57

## EAST Search History

S30	4493	G06F15/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:57
S31	7632	G06F19/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 14:59
S32	4870	(S13 S14 S15 S16 S17 S18 S19 S22 S23 S24 S25 S26 S27 S28 S29 S30 S31) and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:00
S33	100	S13 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:03
S34	126	S14 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:00
S35	271	S15 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:00
S36	165	S16 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:00

## EAST Search History

S67	186	S17 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:00
S38	422	S18 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:00
S39	96	S19 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S40	1	S22 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S41	732	S23 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S42	24	S24 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S43	22	S25 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01

## EAST Search History

S44	18	S26 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S45	26	S27 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S46	1	S28 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S47	25	S29 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S48	1228	S30 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:01
S49	1717	S31 and (S2 S3 S4 S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:02
S50	0	S30 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:02

## EAST Search History

S51	0	S31 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:02
S52	0	S30 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:02
S53	0	S31 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:02
S54	0	S13 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 07:08
S55	0	S14 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:03
S56	0	S15 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:03
S57	0	S16 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:03



## EAST Search History

S58	0	S17 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:03
S59	0	S18 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:03
S60	0	S19 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:03
S61	0	S22 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:03
S62	0	S23 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:04
S63	0	S24 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:04
S64	0	S25 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:04

## EAST Search History

S65	0	S26 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:04
S66	0	S27 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:04
S67	0	S28 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:04
S68	0	S29 and (S9 S12)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:05
S69	28	S2 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:09
S70	77	702/151.ccls. and (determining value chronological progression change angular inclination scanning device detected several angular inclination)	US-PGPUB	OR	ON	2007/09/19 15:10
S71	0	702/151.ccls. and (determining value chronological progression change angular inclination scanning device detected several angular inclination)	US-PGPUB	AND	ON	2007/09/19 15:10
S72	0	702/151.ccls. and (((chronological chronologic chronometric) near5 (sequence progression)) and (angular angle slope slant angularity incline inclination) and ((scanning scanner reader reading) near3 (apparatus device module unit assembly element))) .clm.	US-PGPUB	OR	ON	2007/09/19 15:14

## EAST Search History

S73	0	702/127.ccls. and (((chronological chronologic chronometric) near5 (sequence progression)) and (angular angle slope slant angularity incline inclination) and ((scanning scanner reader reading) near3 (apparatus device module unit assembly element))))).clm.	US-PGPUB	OR	ON	2007/09/19 15:14
S74	76	(strasser same erich).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 15:15
S75	85	(strasser same e).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 15:15
S76	2067	(strasser).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 15:16
S77	19	(heidenhain same johannes).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 15:16
S78	1	(heidenhain same j).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 15:16
S79	38	(heidenhain).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/19 15:17

## EAST Search History

S80	85	S2 and (S76 S79)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 15:17
S81	1	702/151.ccls. and (((chronological chronologic chronometric time time\$1wise) near5 (sequence progression)) and (angular angle slope slant angularity incline inclination) and ((scanning scanner reader reading) near3 (apparatus device module unit assembly element) ))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 11:53
S82	7286	(((chronological chronologic chronometric time time\$1wise) near5 (sequence progression)) and (angular angle slope slant angularity incline inclination) and ((scanning scanner reader reading) near3 (apparatus device module unit assembly element) ))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 11:54
S83	336	(((chronological chronologic chronometric time time\$1wise) near5 (sequence progression)) and (angular angle slope slant angularity incline inclination) and ((scanning scanner reader reading) near3 (apparatus device module unit assembly element) )) and ((linear straight) near3 (scale rule graduation ruling scaling marks indice index))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 11:56
S84	332	(((chronological chronologic chronometric time time\$1wise) near5 (sequence progression)) and (angular angle slope slant angularity incline inclination) and ((scanning scanner reader reading) near3 (apparatus device module unit assembly element) )) and ((linear straight) near3 (scale rule graduation ruling scaling marks indice index)) and (position location)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 11:59
S85	480	((linear straight) near3 (position location) near3 (measur\$5 detect\$3 determin\$5) near3 (system machine mechanism apparatus appliance equipment instrument tool))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:01
S86	101	((linear straight) near3 (position location) near3 (measur\$5 detect\$3 determin\$5) near3 (system machine mechanism apparatus appliance equipment instrument tool)) and ((linear straight) near3 (scale ruling graduation index indice))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:02

## EAST Search History

S87	84	((linear straight) near3 (position location) near3 (measur\$5 detect\$3 determin\$5) near3 (system machine mechanism apparatus appliance equipment instrument tool)) and ((linear straight) near3 (scale ruling graduation index indice)) and (scan\$4 read\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:03
S89	84	((linear straight) near3 (position location) near3 (measur\$5 detect\$3 determin\$5) near3 (system machine mechanism apparatus appliance equipment instrument tool)) and ((linear straight) near3 (scale ruling graduation index indice)) and (scan\$4 read\$3) and (evaluat\$3 determin\$3 measur\$5 sens\$3 detect\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:05
S90	45	((linear straight) near3 (position location) near3 (measur\$5 detect\$3 determin\$5) near3 (system machine mechanism apparatus appliance equipment instrument tool)) and ((linear straight) near3 (scale ruling graduation index indice)) and (scan\$4 read\$3) and (evaluat\$3 determin\$3 measur\$5 sens\$3 detect\$3) and (obliquity oblique angle angular slope slant tilt obliqueness incline inclination sloped slanted sloping slanting tilted tilting inclining angled angularity)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:33
S91	36	((linear straight) near3 (position location) near3 (measur\$5 detect\$3 determin\$5) near3 (system machine mechanism apparatus appliance equipment instrument tool)) and ((linear straight) near3 (scale ruling graduation index indice)) and (scan\$4 read\$3) and (evaluat\$3 determin\$3 measur\$5 sens\$3 detect\$3) and (obliquity oblique angle angular slope slant tilt obliqueness incline inclination sloped slanted sloping slanting tilted tilting inclining angled angularity) and (time time\$1wise chronology chronological chronologic timewise timed timing chronograph chronographical chronographic)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:11
S92	615	(measur\$5 detect\$3 determin\$5) near3 (obliquity oblique angle angular slope slant tilt obliqueness incline inclination sloped slanted sloping slanting tilted tilting inclining angled angularity) with(system machine mechanism apparatus appliance equipment instrument tool) and ((linear straight) near3 (scale ruling graduation index indice)) and (scan\$4 read\$3) and (evaluat\$3 determin\$3 measur\$5 sens\$3 detect\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:36

## EAST Search History

S93	260	(detect\$3 determin\$5) near3 (obliquity oblique angle angular slope slant tilt obliqueness incline inclination sloped slanted sloping slanting tilted tilting inclining angled angularity) with (system machine mechanism apparatus appliance equipment instrument tool) and ((linear straight) near3 (scale ruling graduation index indice))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:43
S94	14	(detect\$3 determin\$5) near3 (obliquity oblique angle angular slope slant tilt obliqueness incline inclination sloped slanted sloping slanting tilted tilting inclining angled angularity) with (system machine mechanism apparatus appliance equipment instrument tool) same ((linear straight) near3 (scale ruling graduation index indice))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 12:50
S95	50414	((linear straight) near3 (scale ruling graduation index indice scaling mark measure measurer measuring scaled ruled rule))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 12:57
S96	867294	((scan read reader scanner reading scanning) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:01
S97	273430	((evaluation decision judgement estimator evaluating judging estimating deciding) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:00
S98	56544	((angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) near3 ( determine determining determination measurement measuring detecting detection sensing sense measure detect determine) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:05

## EAST Search History

S99	22945	((((chronological time chronology timewise chronographic chronologic) near3 (progression progressing sequencing sequence sequential sequenced sequentially progressed) period duration) near3 (determine determining determination measurement measuring detecting detection sensing sense measure detect determine) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:11
S100	9055	S95 and S96	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S101	2644	S95 and S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S102	1945	S95 and S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S103	308	S95 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S104	45386	S96 and S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S105	8522	S96 and S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12

## EAST Search History

S106	5858	S96 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S107	3814	S97 and S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S108	2554	S97 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S109	680	S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:12
S110	908	S95 and S96 and S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13
S111	563	S95 and S96 and S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13
S112	114	S95 and S96 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13



## EAST Search History

S113	185	S95 and S97 and S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13
S114	56	S95 and S97 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13
S115	33	S95 and S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13
S116	1096	S96 and S97 and S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13
S117	976	S96 and S97 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13
S118	316	S96 and S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13
S119	147	S97 and S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:13

## EAST Search History

S120	92	S95 and S96 and S97 and S98	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:14
S121	25	S95 and S96 and S97 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:14
S122	11	S95 and S97 and S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:14
S123	114	S96 and S97 and S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:14
S124	7	S95 and S96 and S97 and S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:14
S125	9	("20010017349"   "20050077457"   "20060033020"   "4912322"   "5739911"   "6541761"   "6552810"   "6713756"   "6794637").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 13:17
S126	8	("20010017349"   "20050077457"   "20060033020"   "4912322"   "5739911"   "6541761"   "6552810"   "6713756"   "6794637").PN. and (S95 S96 S97 S98 S99)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 14:43
S127	82959	(position near3 (measuring determining detecting detection measurement sensing encoding) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 13:26

## EAST Search History

S128	1359	(linear near3 position near3 (measuring determining detecting detection measurement sensing encoding) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:42
S129	65	S128 and S104	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:28
S130	28	S128 and S104 and (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) and (chronological time chronology timewise chronographic chronologic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:42
S131	0	@ad<("20010413" "20010413") and S128 and S104 and (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) and (chronological time chronology timewise chronographic chronologic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:38
S132	11	@ad<"20010413" and S128 and S104 and (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) and (chronological time chronology timewise chronographic chronologic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:38
S133	107	(linear near3 position near3 (measuring determining detecting detection measurement sensing encoding) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system)) and (scan read reader scanner reading scanning) and (evaluation decision judgement estimator evaluating judging estimating deciding) and (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) and (chronological time chronology timewise chronographic chronologic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 13:54
S134	7	("4985623"   "4999623"   "5841134"   "5994692").PN. OR ("6525311").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 14:40

## EAST Search History

S135	10	(S126 S134) and (linear with position with (measur\$5 detect\$3 determin\$5 sens\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 14:45
S136	10	S135 and ((scan\$4 read\$3 optic optical) with (module element unit device apparatus instrument part portion section appliance))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 14:48
S137	6	S136 and ((scan\$4 read\$3 optic optical) with (angle angular angularity slope incline tilt inclination obliquity obliqueness))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 14:50
S138	8	S136 and (time chronology timewise chronologic chronographic chronological chronographical temporal sequential consecutive consecutively progressive progressively)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 14:57
S139	5	S137 and S138	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 14:57
S140	21	(linear near3 position near3 (measuring determining detecting detection measurement sensing encoding) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system)) and ((scan read reader scanner reading scanning optic optical) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system)) and ((evaluation decision judgement estimator evaluating judging estimating deciding) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system)) and ((angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system)) and ((chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:07

## EAST Search History

S142	64785	linear and position and (measuring determining detecting detection measurement sensing encoding) and (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system) and (scan read reader scanner reading scanning optic optical) and (evaluation decision judgement estimator evaluating judging estimating deciding) and (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) and (chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:13
S143	68993	linear and (position near3 (measuring determining detecting detection measurement sensing encoding)) and ((scan read reader scanner reading scanning optic optical evaluation decision judgement estimator evaluating judging estimating deciding angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:16
S144	6310	(linear with (position near3 (measuring determining detecting detection measurement sensing encoding))) and ((scan read reader scanner reading scanning optic optical evaluation decision judgement estimator evaluating judging estimating deciding angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally) near3 (device apparatus appliance module section portion part piece element unit contraption contrivance machine mechanism instrument gadget system))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:17

## EAST Search History

S145	8970	(linear with (position near3 (measuring determining detecting detection measurement sensing encoding))) and (scan read reader scanner reading scanning optic optical evaluation decision judgement estimator evaluating judging estimating deciding angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:18
S146	6113	(linear with (position near3 (measuring determining detecting detection measurement sensing encoding))) and (scan read reader scanner reading scanning optic optical) and (evaluation decision judgement estimator evaluating judging estimating deciding angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:19
S147	1692	(linear with (position near3 (measuring determining detecting detection measurement sensing encoding))) and (scan read reader scanner reading scanning optic optical) and (evaluation decision judgement estimator evaluating judging estimating deciding) and (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:19
S148	1223	(linear with (position near3 (measuring determining detecting detection measurement sensing encoding))) and (scan read reader scanner reading scanning optic optical) and (evaluation decision judgement estimator evaluating judging estimating deciding) and (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) and (chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:19

## EAST Search History

S149	92	(linear with (position near3 (measuring determining detecting detection measurement sensing encoding))) and ((scan read reader scanner reading scanning optic optical) same (evaluation decision judgement estimator evaluating judging estimating deciding) same (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness)) and (chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:24
S150	29	(linear with (position near3 (measuring determining detecting detection measurement sensing encoding))) and ((scan read reader scanner reading scanning optic optical) same (evaluation decision judgement estimator evaluating judging estimating deciding) same (angle incline obliquity angularity angular inclination inclining slope sloping slant slanting slanted sloped angling oblique obliqueness) same (chronological time chronology timewise chronographic chronologic sequential sequentially progressive progressively consecutive consecutively temporal temporally))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/03 15:20
S151	57776	(linear with (scale reticle graticule grating ruling scaling graduation indicia indice index))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:19
S152	1374852	((scan read scanner reader scanning reading optic optical) near3 (device apparatus assembly array matrix instrument appliance module unit element))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:21
S153	32048	((move travel displace movement traveling displacement displaced moved traveled) with (relative respect relatively respectively) with (scale reticle graticule grating ruling scaling graduation indicia indice index))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:26

## EAST Search History

S154	454688	((counter summer adder summing adding counting count add sum) near3 (module section portion part circuit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:28
S155	446991	((clock oscillator timer chronograph chronology chronological timing chronographical chronographically chronologically progression progressing) near3 (module section portion part circuit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:31
S156	20398	S151 and S152	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:31
S157	4389	S151 and S153	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:31
S158	4700	S151 and S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:31
S159	3994	S151 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:31
S160	9113	S152 and S153	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:32



## EAST Search History

S161	77512	S152 and S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:32
S162	87363	S152 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:32
S163	1686	S153 and S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:32
S164	1387	S153 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:32
S165	86557	S154 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:32
S166	2341	S151 and S152 and S153	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:33
S167	2187	S151 and S152 and S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:33

## EAST Search History

S168	2176	S151 and S152 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:33
S169	340	S151 and S153 and S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:33
S170	223	S151 and S153 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:33
S171	1283	S151 and S154 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:33
S172	785	S152 and S153 and S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:33
S173	26212	S152 and S154 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:34
S174	346	S153 and S154 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:34

## EAST Search History

S175	197	S151 and S152 and S153 and S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:53
S176	135	S151 and S152 and S153 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:34
S177	732	S151 and S152 and S154 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:34
S178	84	S151 and S153 and S154 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:34
S179	199	S152 and S153 and S154 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:35
S180	49	S151 and S152 and S153 and S154 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:35
S181	2	S151 same S152 same S153 same S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:53

## EAST Search History

S182	1	S151 same S152 same S153 same S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:54
S183	0	S151 same S152 same S154 same S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:54
S184	1	S151 same S153 same S154 same S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:54
S185	0	S152 same S153 same S154 same S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:54
S186	2	S151 and (S152 same S153) and (S154 same S155)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/04 08:55
S187	2339	(linear with (scale graduation ruling index)) and ((scanning scanner scan) with (device apparatus appliance component instrument module mechanism machine)) and ((evaluation analysis analyzing) with (device apparatus appliance component instrument module mechanism machine program algorithm software firmware))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 07:11

## EAST Search History

S188	38	(linear with (scale graduation ruling index)) and ((scanning scanner scan) with (device apparatus appliance component instrument module mechanism machine)) and ((evaluation analysis analyzing) with (device apparatus appliance component instrument module mechanism machine program algorithm software firmware)) and ((determine detect detemined detected determining detecting determination) with (several many some numerous plural multiple plurality multiplicity) with (angle inclince slant skew skewness angular inclination inclined angled skewed skewing slanted slanting lean leaned leaning ramp ramping angularity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 07:26
S189	8	(linear with (scale graduation ruling index)) and ((scanning scanner scan) with (device apparatus appliance component instrument module mechanism machine)) and ((evaluation analysis analyzing) with (device apparatus appliance component instrument module mechanism machine program algorithm software firmware)) and ((determine detect detemined detected determining detecting determination) with (several many some numerous plural multiple plurality multiplicity) with (angle inclince slant skew skewness angular inclination inclined angled skewed skewing slanted slanting lean leaned leaning ramp ramping angularity)) and ((chronological chronologic chronology time timewise) with (progression progressing sequence sequential sequentially sequenced progressed progressive serial serially))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 07:17
S190	1	"5061073".pn.	USPAT	OR	OFF	2007/10/22 08:20
S191	3	((detect detected detecting detection sense sensed sensing monitor monitored monitoring watch watched watching) same (change alteration modification adjustment correction shift realignment variation refinement advance mutation evolution corrected shifted shifting correcting realigned realigning varied vary varying refine refined refining mutate mutating mutated advanced advancing advancement evolve evolved evolving evolvment) same (angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) same ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same ((linear successive) near3 (direction bearing)) same ((linear successive) near3 (scale index graduation scaling indexing ruled ruling)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:42

## EAST Search History

S192	3	((detect detected detecting detection sense sensed sensing monitor monitored monitoring watch watched watching) same (angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) same ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same ((linear successive) near3 (direction bearing)) same ((linear successive) near3 (scale index graduation scaling indexing ruled ruling)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:23
S193	132	((detect detected detecting detection sense sensed sensing monitor monitored monitoring watch watched watching) same (angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) same ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same ((linear successive) near3 (direction bearing scale index graduation scaling indexing ruled ruling)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:26
S194	389	((angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) with ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same ((linear successive) near3 (direction bearing scale index graduation scaling indexing ruled ruling)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 08:59
S195	0	((angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) with ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same ((linear successive) near3 (direction bearing scale index graduation scaling indexing ruled ruling))) same ((chronologic timewise chronological sequential chronologically sequentially sequence series serial sequenced) near3 (progress progression advancement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:02

## EAST Search History

S196	0	((angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) same ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same ((linear successive) near3 (direction bearing scale index graduation scaling indexing ruled ruling))) same ((chronologic timewise chronological sequential chronologically sequentially sequence series serial sequenced) with (progress progression advancement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:04
S197	14	((angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) and ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same ((linear successive) near3 (direction bearing scale index graduation scaling indexing ruled ruling))) and ((chronologic timewise chronological sequential chronologically sequentially sequence series serial sequenced) with (progress progression advancement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 10:28
S198	143	(angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) and ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) and ((linear successive) near3 (direction bearing scale index graduation scaling indexing ruled ruling)) and ((chronologic timewise chronological sequential chronologically sequentially sequence series serial sequenced) with (progress progression advancement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:18
S199	163	((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) and (linear near3 (direction bearing scale index graduation scaling indexing ruled ruling)) and ((chronologic timewise chronological sequential chronologically sequentially sequence series serial sequenced) with (progress progression advancement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:20
S200	40	S199 not S198	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:20

## EAST Search History

S201	7888	((detect detected detecting detection sense sensed sensing monitor monitored monitoring watch watched watching) with (angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) with ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:23
S202	123	((detect detected detecting detection sense sensed sensing) same (angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) same ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same ((linear successive) near3 (direction bearing scale index graduation scaling indexing ruled ruling)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:27
S203	28753	(position near3 (measurement measuring) near3 (device apparatus appliance instrument module component unit element))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:44
S204	80	(position near3 (measurement measuring) near3 (device apparatus appliance instrument module component unit element)) and ((detect detected detecting detection sense sensed sensing monitor monitored monitoring watch watched watching) with (change alteration modification adjustment correction shift realignment variation refinement advance mutation evolution corrected shifted shifting correcting realigned realigning varied vary varying refine refined refining mutate mutating mutated advanced advancing advancement evolve evolved evolving evolvement) with (angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness) with ((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 09:56



## EAST Search History

S206	1	(method detect\$3 angular change ((scanning or scanner) near3 (device or apparatus or instrument or assembly)) respect (scale or index or ruling or graduation) (position with (measuring measurement) with system) detecting (several or plural or multiple or numerous or plurality or various or multiplicity or many or some) position relation (value or number) ((chronological or chronologic) near3 (sequence or progression or change)) (angular or angle or angulation or inclination or inclining or bearing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/22 10:13
S207	0	((angle angulation angular angled) with (incline skew inclination tilt slant)) and ((position location) with (measurement measuring)) and (linear with (device system measurement direction)) and ((scanning scanner optic optical) with (device system measurement direction))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/22 10:23
S208	20838	((angle angulation angular angled) and (incline skew inclination tilt slant) and (position location) and (measurement measuring) and linear and (device system measurement direction) and (scanning scanner optic optical))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 10:27
S209	0	((angle angulation angular angled) and (incline skew inclination tilt slant) and (position location) and (measurement measuring) and linear and (device system measurement direction) and (scanning scanner optic optical))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/22 10:27
S210	0	((angle angulation angular angled) and (incline skew inclination tilt slant) and (position location) and (measurement measuring) and linear and (device system measurement direction) and (scanning scanner optic optical))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	SAME	ON	2007/10/22 10:27
S211	373	((scan scanner scanning optical optic) near3 (device apparatus appliance instrument module component unit element)) same (angle incline skew angular skewed angled skewing angularity inclined inclining inclination skewness)) and ((chronologic timewise chronological sequential chronologically sequentially sequence series serial sequenced) with (progress progression advancement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 10:34

## EAST Search History

S212	180	@ad<="20010413" and S211	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 10:43
S213	242	((scanning scanner) near3 (device apparatus assembly system instrument machine mechanism)) and ((position location) near3 (measuring measurement detecting detection determining determination) near3 (device apparatus assembly system instrument machine mechanism)) and ((chronological chronologic temporal sequential consecutive temporally sequentially consecutively) near3 (progress advance progression advancement movement motion moving))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 10:52
S214	24	((angle incline slant tilt angulation angular slanted tilted angularity slanted inclined inclination) with (scanning scanner) near3 (device apparatus assembly system instrument machine mechanism)) and ((position location) near3 (measuring measurement detecting detection determining determination) near3 (device apparatus assembly system instrument machine mechanism)) and ((chronological chronologic temporal sequential consecutive temporally sequentially consecutively) near3 (progress advance progression advancement movement motion moving))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 11:51
S215	150957	(position with (measuring measurement determinint determination) with (machine mechanism device apparatus system assembly unit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 11:53
S216	1645	(position with (measuring measurement determinint determination) with (machine mechanism device apparatus system assembly unit)) and ((index indice indicia ruling graduation scale scaling) with (scanning scanner) with (machine mechanism device apparatus system assembly unit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 11:54

## EAST Search History

S217	107	(position with (measuring measurement determinint determination) with (machine mechanism device apparatus system assembly unit)) and ((index indice indicia ruling graduation scale scaling) with (scanning scanner) with (machine mechanism device apparatus system assembly unit)) and ((chronological time timewise chronologic chronology sequence sequential sequentially) with (progressing progression advancement advancing advance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 12:58
S218	39	(position with (measuring measurement determining determination) with (machine mechanism device apparatus system assembly unit)) and ((index indice indicia ruling graduation scale scaling) with (optical magnetic capacitive inductive) with (scanning scanner) with (machine mechanism device apparatus system assembly unit)) and (((chronological time timewise chronologic chronology sequence sequential sequentially) with (progressing progression advancement advancing advance)) (stored near3 (extrema extreme)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 13:20
S219	58	(position with (measuring measurement determining determination)) and ((index indice indicia ruling graduation scale scaling) with (optical magnetic capacitive inductive) with (scanning scanner) with (machine mechanism device apparatus system assembly element unit)) and (((chronological time timewise chronologic chronology sequence sequential sequentially) with (progressing progression advancement advancing advance)) (stored near3 (extrema extreme)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 13:33
S220	105973	((optical magnetic capacitive inductive) with (scanning scanner) with (machine mechanism device apparatus system assembly element unit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 13:35
S221	15	((optical magnetic capacitive inductive) with (scanning scanner) with (machine mechanism device apparatus system assembly element unit)) and ((determine determining determination) with (angle inclination angularity incline) with (scanning scanner) with (machine mechanism device apparatus system assembly element unit) with (relative respect) with (scale scaling ruling indicia index indice graduation ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 13:43

## EAST Search History

S222	585	(scanner ((scanning scanner) with (machine mechanism device apparatus system assembly element unit))) and ((determine determining determination) with (angle inclination angularity incline pitch skew slant tilt skewness) with (scanner ((scanning scanner) with (machine mechanism device apparatus system assembly element unit) with (relative respect) with (scale scaling ruling indicia index indice graduation mark))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 13:50
S223	585	(scanner ((scanning scanner) with (machine mechanism device apparatus system assembly element unit))) and ((determine determining determination) with (angle inclination angularity incline pitch skew slant tilt skewness) with (scanner ((scanning scanner) with (machine mechanism device apparatus system assembly element unit) with (relative respect) with (scale scaling ruling indicia index indice graduation mark))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 13:48
S224	179	(position with (measuring measurement determining) with (system machine mechanism device apparatus instrument)) and (scanner ((scanning scanner) with (machine mechanism device apparatus system assembly element unit))) and ((determine determining determination) with (angle inclination angularity incline pitch skew slant tilt skewness) with (scanner ((scanning scanner) with (machine mechanism device apparatus system assembly element unit) with (relative respect) with (scale scaling ruling indicia index indice graduation mark))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/22 13:51

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	de-10018298\$.did.	DERWENT	OR	ON	2007/09/19 10:36
S291	0	(linear adj (index indice scale graduation rule)) and (((scanning optical laser light infrared) near3 (apparatus module element unit device)) same ((relocate reposition move displacement translate) with (respectively respect respective relative relatively) with linear with scale with direction)) and ((evaluation adj (part portion section unit element module)) same (determin\$5 with (slope slant angle inclination) with ((scanning optical laser light infrared) near3 (apparatus module element unit device)) with (respectively respect respective relative relatively) with linear with direction)) and ((chronological chronologic timewise sequential sequenced) with (progression movement rotation displacement) with (slant slope angle inclination))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 12:39
S292	7	(linear adj (index indice scale graduation rule)) and (((scanning optical laser light infrared) near3 (apparatus module element unit device)) same ((relocate reposition move displacement translate) with (respectively respect respective relative relatively) with linear with scale with direction))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 12:30
S293	0	((evaluation adj (part portion section unit element module)) same (determin\$5 with (slope slant angle inclination) with ((scanning optical laser light infrared) near3 (apparatus module element unit device)) with (respectively respect respective relative relatively) with linear with direction))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 12:29
S294	662	((chronological chronologic timewise sequential sequenced) with (progression movement rotation displacement) with (slant slope angle inclination))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 12:29
S295	16	(linear adj (index indice scale graduation rule)) and ((scanning optical laser light infrared) near3 (apparatus module element unit device)) and (evaluation adj (part portion section unit element module))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:43

## EAST Search History

S296	0	(linear adj (index indice scale graduation rule)) and ((scanning optical laser light infrared) near3 (apparatus module element unit device)) and (evaluation adj (part portion section unit element module)) and (determin\$5 with (slope slant angle inclination) with ((scanning optical laser light infrared) near3 (apparatus module element unit device))) and (linear near3 direction) and ((chronological chronologic timewise sequential sequenced) near4 (progression movement rotation displacement) near4 (slant slope angle inclination)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 12:47
S297	5	(linear adj (index indice scale graduation rule)) and ((scanning optical laser light infrared) near3 (apparatus module element unit device)) and (evaluation adj (part portion section unit element module)) and ((determin\$5 with (slope slant angle inclination) with ((scanning optical laser light infrared) near3 (apparatus module element unit device))) (linear near3 direction) ((chronological chronologic timewise sequential sequenced) near4 (progression movement rotation displacement) near4 (slant slope angle inclination)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 12:50
S298	13	("4423958"   "4700062"   "4712088"   "5061073"   "5274229"   "5553390"   "5651187"   "5936236").PN. OR ("6175109").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 12:49
S299	17	("3985448"   "4263506"   "4866268"   "5739911"   "5777322"   "5994692").PN. OR ("6198534").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 12:50
S300	1	(S298 S299) and (linear adj (index indice scale graduation rule)) and ((scanning optical laser light infrared) near3 (apparatus module element unit device)) and (evaluation adj (part portion section unit element module)) and ((determin\$5 with (slope slant angle inclination) with ((scanning optical laser light infrared) near3 (apparatus module element unit device))) (linear near3 direction) ((chronological chronologic timewise sequential sequenced) near4 (progression movement rotation displacement) near4 (slant slope angle inclination)))	USPAT; USOCR	OR	ON	2007/06/26 12:52

## EAST Search History

S301	880	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:05
S302	0	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and ((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element)) and ((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine)) and (((linear near3 (measuring measurement) near3 direction)) (chronologic timewise chronological sequenced sequential) near3 (progression movement displacement)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:35
S303	2	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and ((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element)) and ((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine)) and (linear direction chronologic timewise chronological sequenced sequential progression movement displacement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:36

## EAST Search History

S304	0	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and (((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element)) with linear with direction) and ((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:38
S305	0	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and (((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element)) ) and (((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine)) with linear with (chronologic sequential chronological sequenced timewise))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:39
S306	0	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and (((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element)) same (linear with direction)) and (((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine)) same linear same (chronologic sequential chronological sequenced timewise))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:40



## EAST Search History

S307	0	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and (((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element)) ) and (((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine)) same linear same (chronologic sequential chronological sequenced timewise))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:40
S308	0	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and (((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element)) ) and (((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine)) same (chronologic sequential chronological sequenced timewise))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:41
S309	0	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and (((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element)) ) and (((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine)) same linear)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:41

## EAST Search History

S310	2	((detect detection detecting sense sensing determine determining determination) with (vibration oscillation oscillatory vibratory movement) with (((position coordinate precision precise accurate) near3 (measuring measurement) near3 (system machine mechanism device apparatus instrument unit)) pms)) and (linear adj (scale index indice graduation)) and (((scan scanner scanning optical) near3 (device apparatus module unit section portion part piece element))) and (((evaluation analysis evaluating analyzing) near3 (module program algorithm software firmware routine sub\$1program sub\$1routine)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:41
S311	171	(linear adj (index indice scale graduation rule)) and ((scanning optical laser (light near3 transceiving) infrared) near3 (apparatus module element unit device)) and ((evaluation analysis analyzing evaluating) near3 (part portion section unit element module))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 13:56
S312	203	(linear adj (index indice scale graduation rule grating)) and ((inductive capacitive magnetic induction optical laser (light near3 transceiving) infrared) near3 (apparatus module element unit device scanner)) and ((evaluation analysis analyzing evaluating) near3 (part portion section unit element module))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:05
S313	73	@ad< "20010413" and (linear adj (index indice scale graduation rule grating)) and ((inductive capacitive magnetic induction optical laser (light near3 transceiving) infrared) near3 (apparatus module element unit device scanner)) and ((evaluation analysis analyzing evaluating) near3 (part portion section unit element module))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:10
S314	1	@ad< "20010413" and (linear adj (index indice scale graduation rule grating)) and ((inductive capacitive magnetic induction optical laser (light near3 transceiving) infrared) near3 (apparatus module element unit device scanner)) and ((evaluation analysis analyzing evaluating) near3 (part portion section unit element module)) and (linear near4 (measuring measurement) near4 direction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:12

## EAST Search History

S315	1	@ad< "20010413" and (linear adj (index indice scale graduation rule grating)) and ((inductive capacitive magnetic induction optical laser (light near3 transceiving) infrared) near3 (apparatus module element unit device scanner)) and ((evaluation analysis analyzing evaluating) near3 (part portion section unit element module)) and (linear near4 (measuring measurement) near4 direction) and (angle slant slope tilt incline inclination ramp lean skew)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:14
S316	0	@ad< "20010413" and (linear adj (index indice scale graduation rule grating)) and ((inductive capacitive magnetic induction optical laser (light near3 transceiving) infrared) near3 (apparatus module element unit device scanner)) and ((evaluation analysis analyzing evaluating) near3 (part portion section unit element module)) and (linear near4 (measuring measurement) near4 direction) and (angle slant slope tilt incline inclination ramp lean skew) and ((chronological sequential chronologic sequence timewise) with (progression advancement rotation movement displacement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:19
S317	97	@ad< "20010413" and (linear with position with (measuring measurement)) and (angle slant slope tilt incline inclination ramp lean skew) and ((chronological sequential chronologic sequence timewise) with (progression advancement rotation movement displacement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:23
S318	71	@ad>= "20010413" and (linear with position with (measuring measurement)) and (angle slant slope tilt incline inclination ramp lean skew) and ((chronological sequential chronologic sequence timewise) with (progression advancement rotation movement displacement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:25
S319	10	(linear near3 position near3 (measuring measurement) near3 (device apparatus system equipment machine mechanism)) and ((optical capacitive inductive induction magnetic) near3 (scanning scanner) near3 (device apparatus apparatus module unit part section portion element)) and ((evaluation determination evaluating determining analysis analyzing) near3 (module part portion section unit circuit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:34

## EAST Search History

S320	0	(linear near3 position near3 (measuring measurement) near3 (device apparatus system equipment machine mechanism)) and ((optical capacitive inductive induction magnetic) near3 (scanning scanner) near3 (device apparatus apparatus module unit part section portion element)) and ((evaluation determination evaluating determining analysis analyzing) near3 (module part portion section unit circuit)) and (linear near3 (scale graduation grating scaling index indice)) and (linear near3 (measuring measurement) near3 direction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:36
S321	2	(linear near3 position near3 (measuring measurement) near3 (device apparatus system equipment machine mechanism)) and ((optical capacitive inductive induction magnetic) near3 (scanning scanner) near3 (device apparatus apparatus module unit part section portion element)) and ((evaluation determination evaluating determining analysis analyzing) near3 (module part portion section unit circuit)) and (linear near3 (scale graduation grating scaling index indice)) and ((measuring measurement) near3 direction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:36
S322	0	(linear near3 position near3 (measuring measurement) near3 (device apparatus system equipment machine mechanism)) and ((optical capacitive inductive induction magnetic) near3 (scanning scanner) near3 (device apparatus apparatus module unit part section portion element)) and ((evaluation determination evaluating determining analysis analyzing) near3 (module part portion section unit circuit)) and (linear near3 (scale graduation grating scaling index indice)) and (linear near3 direction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/06/26 14:36
S323	75	(strasser same erich).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/07/24 12:40
S324	83	(strasser same e).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/07/24 12:40

## EAST Search History

S325	2036	(strasser).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/07/24 12:40
S326	19	(heidenhain same johannes).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/07/24 12:41
S327	1	(heidenhain same j).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/07/24 12:41
S328	36	(heidenhain).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/07/24 12:41
S329	5	((detecting detect detection sense sensing sensed detected measured measuring measurement scan scanned scanning) same (plural several plurality many multiple numerous multiplicity some) same ((rotary angular rotational) with (inclination slope tilt lean incline)) same ( (scanner scan measurement detector sensor sensing measurer detecting detection scanning) with (machine device instrument mechanism)) same ((linear in\$1 line) with direction) same scale ( (detecting detect detection sense sensing sensed detected measured measuring measurement scan scanned scanning) with (location placement position))) and ((determine determined determining) same (number value amount quantity) same ((time chronological) with (succession sequential progression progressing sequentially)) same ((change misalignment) with (tilt incline slope angular inclination))) and ((resulting resultant output) same (data signal information) same (representing representative indicative symbolizing) same ((time chronological) with (succession sequential progression progressing sequentially))-same (change misalignment) same (tilt incline slope angular inclination))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:01

## EAST Search History

S330	7154	misalignment and scale and (calibration correction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:27
S331	707	misalignment and ((linear in\$1line) with (indicator graduation marker scale)) and (calibration correction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 12:59
S332	13	misalignment same ((linear in\$1line) with (indicator graduation marker scale)) same (calibration correction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 12:59
S333	20	((plural several plurality many multiple numerous multiplicity some) and ((rotary angular rotational) with (inclination slope tilt lean incline)) and ((linear in\$1line) with direction) and ( (detecting detect detection sense sensing sensed detected measured measuring measurement scan scanned scanning) with (location placement position))) and ((determine determined determining) same (number value amount quantity) and ((time chronological) with (succession sequential progression progressing sequentially)) and ((change misalignment) with (tilt incline slope angular inclination))) and ((resulting resultant output) and (data signal information) and (representing representative indicative symbolizing) and ((time chronological) with (succession sequential progression progressing sequentially)) and (change misalignment) and (tilt incline slope angular inclination))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:08
S334	86	(positioning with (machine mechanism device apparatus instrument module)) and ((linear in\$1line) with (scale graduation indicator marking index indice)) and (change misalignment calibration correction deviation) and ((output result resultant) same (signal data information) same (indicate represent representative indicative indicating) same ((time chronological series sequential successive progressive) with (change misalignment skew tilt incline inclination slant slope lean)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:18

## EAST Search History

S335	106	(positioning with (machine mechanism device apparatus instrument module)) and ((linear in\$1line (equally near3 spaced) straight) with (scale graduation indicator marking index indice)) and (change misalignment calibration correction deviation) and ((output result resultant) same (signal data information) same (indicate represent representative indicative indicating) same ((time chronological series sequential successive progressive) with (change misalignment skew tilt incline inclination slant slope lean)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:33
S336	36	((scanning scanner reader positioner positioning) with (device machine mechanism instrument module unit element apparatus)) and ((detecting sensing noticing detect sense determine determining sensed determined detected determining determination) with (angular tilt skew incline inclination angle) with (change modification alteration adjustment misalignment calibration correction deviation)) and ((linear in\$1line (equally near3 spaced) straight) with (scale graduation indicator marking index indice)) and ((output result resultant) same (signal data information) same (indicate represent representative indicative indicating) same ((time chronological series sequential successive progressive) with (change misalignment skew tilt incline inclination slant slope lean)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:46
S337	0	((scanning scanner reader positioner positioning) with (device machine mechanism instrument module unit element apparatus)) same ((detecting sensing noticing detect sense determine determining sensed determined detected determining determination) with (angular tilt skew incline inclination angle) with (change modification alteration adjustment misalignment calibration correction deviation)) same ((linear in\$1line (equally near3 spaced) straight) with (scale graduation indicator marking index indice)) same ((output result resultant) same (signal data information) same (indicate represent representative indicative indicating) same ((time chronological series sequential successive progressive) with (change misalignment skew tilt incline inclination slant slope lean)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:44

## EAST Search History

S338	1014603	((scanning scanner reader positioner positioning) with (device machine mechanism instrument module unit element apparatus))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:44
S339	58159	((detecting sensing noticing detect sense determine determining sensed determined detected determining determination) with (angular tilt skew incline inclination angle) with (change modification alteration adjustment misalignment calibration correction deviation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:45
S340	72439	((linear in\$1line (equally near3 spaced) straight) with (scale graduation indicator marking index indice))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:45
S341	34921	((output result resultant) same (signal data information) same (indicate represent representative indicative indicating) same ((time chronological series sequential successive progressive) with (change misalignment skew tilt incline inclination slant slope lean)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:47
S342	11166	S338 and S339	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:48
S343	13457	S338 and S340	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:47
S344	5963	S338 and S341	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:47



## EAST Search History

S345	1614	S339 and S340	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:48
S346	1450	S339 and S341	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:48
S347	1011	S340 and S341	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:48
S348	561	S338 and S339 and S340	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:48
S349	353	S338 and S339 and S341	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:48
S350	80	S339 and S340 and S341	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/24 13:49
S351	508	702/127.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/24 14:02
S352	1005	702/150.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/24 14:03
S353	380	702/151.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/24 14:03
S354	993	702/189.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/24 14:03

## EAST Search History

S355	674	73/865.8.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/24 14:03
S356	790	356/614.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/24 14:04
S357	1457	(S338 S339 S340 S341 (S338 and S339 and S340 and S341) (S339 and S340 and S341)) and (S351 S352 S353 S354 S355 S356)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/24 14:09
S358	66430	(misalignment skew asymmetrical asymmetric oblique obliquity obliqueness) and (scale graduation index indice) and (calibrat\$3 correct\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:31
S362	34932	(misalignment skew asymmetrical asymmetric oblique obliquity obliqueness) and (scale graduation index indice) and (calibrat\$3 correct\$3) and (linear in\$1line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:32
S363	4330	(misalignment skew asymmetrical asymmetric oblique obliquity obliqueness) and (scale graduation index indice) and (calibrat\$3 correct\$3) and (linear in\$1line) and ((chronological chronologic time time\$1wise) near3 (progression advancement sequencing sequence))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:37
S367	6	(misalignment skew asymmetrical asymmetric oblique obliquity obliqueness) same (scale graduation index indice) same (calibrat\$3 correct\$3) and (linear in\$1line) same ((chronological chronologic time time\$1wise) near3 (progression advancement sequencing sequence))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:42
S368	98726	(angle incline slant tilt obliquity lean perendicularity) and (scanner reader ((scanner reader scanning reading) near3 (device apparatus module element unit section portion part))) and (scale index indice graduation measure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:43
S369	0	(misalignment skew asymmetrical asymmetric oblique obliquity obliqueness) same (scale graduation index indice) same (calibrat\$3 correct\$3) same (linear in\$1line) same ((chronological chronologic time time\$1wise) near3 (progression advancement sequencing sequence))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:42

## EAST Search History

S370	5819	(angle incline slant tilt obliquity lean perpendicularity) same (scanner reader ((scanner reader scanning reading) near3 (device apparatus module element unit section portion part))) same (scale index indice graduation measure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:47
S371	2082	(angle incline slant tilt obliquity lean perpendicularity alignment misalignment) same (scanner reader ((scanner reader scanning reading) near3 (device apparatus module element unit section portion part))) same (scale index indice graduation measure) and ((chronologic time time\$1wise chronological chronology timing) with (sequence series sequential progression sequentially order))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:48
S372	219	(angle incline slant tilt obliquity lean perpendicularity) same (scanner reader ((scanner reader scanning reading) near3 (device apparatus module element unit section portion part))) same ((linear in\$1line) with (scale index indice graduation measure))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 09:19
S373	58	(angle incline slant tilt obliquity lean perpendicularity alignment misalignment) same (scanner reader ((scanner reader scanning reading) near3 (device apparatus module element unit section portion part))) same ((linear in\$1line) with (scale index indice graduation measure)) and ((chronologic time time\$1wise chronological chronology timing) with (sequence series sequential progression sequentially order))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 07:52
S374	38	((detect\$3 measur\$5 determin\$5) same (skew tilt incline inclination angular angle change oscillation) same ((scan read scanner reader reading scanning) with (apparatus appliance device module element unit portion section part))) and ((linear in\$1line) near3 (direction movement scale graduation index indice scaling)) and ((time\$1wise chronologically chronological time) same (progression sequence progressing sequentially) same (change alteration adjustment) same (angular angle incline inclination) same ((scan read scanner reader reading scanning) with (apparatus appliance device module element unit portion section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 09:52

## EAST Search History

S375	36292	((detect detecting determine determining determination detection measure measuring measurement) same (angle angular tilt incline inclination skew parallax) same ((scan scanner scanning read reader ' reading) with (device module apparatus appliance unit element portion section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:20
S376	11784	((detect detecting determine determining determination detection measure measuring measurement) with (angle angular tilt incline inclination skew parallax) with ((scan scanner scanning read reader reading) with (device module apparatus appliance unit element portion section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:20
S377	5893	((position location site) with (detect detecting determine determining determination detection measure measuring measurement) with (machine mechanism system device apparatus appliance instrument)) and ((detect detecting determine determining determination detection measure measuring measurement) with (angle angular tilt incline inclination skew parallax) with ((scan scanner scanning read reader reading) with (device module apparatus appliance unit element portion section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:22
S378	3294	((position location site) with (detect detecting determine determining determination detection measure measuring measurement) with (machine mechanism system device apparatus appliance instrument)) same ((detect detecting determine determining determination detection measure measuring measurement) with (angle angular tilt incline inclination skew parallax) with ((scan scanner scanning read reader reading) with (device module apparatus appliance unit element portion section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:23
S379	396	((position location site) near3 (detect detecting determine determining determination detection measure measuring measurement) near3 (machine mechanism system device apparatus appliance instrument)) same ((detect detecting determine determining determination detection measure measuring measurement) with (angle angular tilt incline inclination skew parallax) with ((scan scanner scanning read reader reading) near3 (device module apparatus appliance unit element portion section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:24

## EAST Search History

S380	25	linear same ((position location site) near3 (detect detecting determine determining determination detection measure measuring measurement) near3 (machine mechanism system device apparatus appliance instrument)) same ((detect detecting determine determining determination detection measure measuring measurement) with (angle angular tilt incline inclination skew parallax) with ((scan scanner scanning read reader reading) near3 (device module apparatus appliance unit element portion section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:32
S381	165	linear and ((position location site) near3 (detect detecting determine determining determination detection measure measuring measurement) near3 (machine mechanism system device apparatus appliance instrument)) same ((detect detecting determine determining determination detection measure measuring measurement) with (angle angular tilt incline inclination skew parallax) with ((scan scanner scanning read reader reading) near3 (device module apparatus appliance unit element portion section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:33
S382	143	linear and ((position location site) near3 (detect detecting determine determining determination detection measure measuring measurement) near3 (machine mechanism system device apparatus appliance instrument)) same ((detect detecting determine determining determination detection measure measuring measurement) with (angle angular tilt incline inclination skew parallax) with ((scan scanner scanning read reader reading) near3 (device module apparatus appliance unit element portion section part))) not non\$1linear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:38
S383	0	detect linear movement measure change angle scanning device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	SAME	ON	2007/07/31 10:39

## EAST Search History

S384	1742	((detect detecting detection determine determining determination measure measuring measurement) same (linear straight direct) same (movement positioning displacement relocation) same (detect detecting detection determine determining determination measure measuring measurement) same (change changing alter altered altering alteration changed adjust adjusted adjusting adjustment modify modifying modification modified) same (angle incline inclination tilt parallax) same ((scanning reading scan read scanner reader) with (device apparatus machine mechanism tool instrument portion part section unit element appliance)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:47
S385	474	((detect detecting detection determine determining determination measure measuring measurement) same ((linear straight direct) with (movement positioning displacement relocation)) same (detect detecting detection determine determining determination measure measuring measurement) same (change changing alter altered altering alteration changed adjust adjusted adjusting adjustment modify modifying modification modified) same (angle incline inclination tilt parallax) same ((scanning reading scan read scanner reader) with (device apparatus machine mechanism tool instrument portion part section unit element appliance)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:49
S386	514	((detect detecting detection determine determining determination measure measuring measurement) with (linear straight direct) with (movement positioning displacement relocation)) and ((detect detecting detection determine determining determination measure measuring measurement) same (change changing alter altered altering alteration changed adjust adjusted adjusting adjustment modify modifying modification modified) same (angle incline inclination tilt parallax) same ((scanning reading scan read scanner reader) with (device apparatus machine mechanism tool instrument portion part section unit element appliance)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 10:52

## EAST Search History

S387	63	((detect detecting detection determine determining determination measure measuring measurement) with (linear straight direct) with (movement positioning displacement relocation)) and ((detect detecting detection determine determining determination measure measuring measurement) with (change changing alter altered altering alteration changed adjust adjusted adjusting adjustment modify modifying modification modified) with (angle incline inclination tilt parallax) with ((scanning reading scan read scanner reader) with (device apparatus machine mechanism tool instrument portion part section unit element appliance)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 11:01
S388	413	((detect detecting detection determine determining determination measure measuring measurement) with (parallax ((angle angular) with (change misalignment deviation inclination slope slant tilt skew))) with ((scan scanner scanning) near3 (device apparatus appliance instrument unit element portion section part module assembly)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 11:05
S389	268	((detect detecting detection determine determining determination measure measuring measurement) with (parallax ((angle angular) near3 (change misalignment deviation inclination slope slant tilt skew))) with ((scan scanner scanning) near3 (device apparatus appliance instrument unit element portion section part module assembly)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 12:30
S390	93	(linear with (position positioning siting) with (device apparatus assembly system machine mechanism appliance module unit element portion piece section part)) and ((measure measuring measurement determine determining determined determination detect detecting detected detection) same (change changing changed alter altered altering alteration) same ((angle tilt incline inclination angular) near3 orientation)) and ((optical near3 assembly) scanner reader ((scanning reading) with (device apparatus assembly system machine mechanism appliance module unit element portion piece section part)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 11:29

## EAST Search History

S391	3361	((detect detecting detection determine determining determination measure measuring measurement) with (parallax ((angle angular) near3 (change misalignment deviation inclination slope slant tilt skew orientation position))) with ((scan scanner scanning optical) near3 (device apparatus appliance instrument unit element portion section part module assembly projector detector sensor transducer encoder)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 13:53
S392	82	((detect detecting detection determine determining determination measure measuring measurement) with (parallax ((angle angular) near3 (change misalignment deviation inclination slope slant tilt skew orientation position))) with ((scan scanner scanning optical) near3 (device apparatus appliance instrument unit element portion section part module assembly projector detector sensor transducer encoder))) and (linear near3 (scale graduation rule scaling))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 13:37
S393	23	((detect detecting detection determine determining determination measure measuring measurement) with (parallax angle misalignment deviation inclination slope slant tilt skew orientation position) with (linear near3 (scale graduation rule scaling)) with (relative "with respect to" "relative to" respectively relatively) with ((scan scanner scanning optical) near3 (device apparatus appliance instrument unit element portion section part module assembly projector detector sensor transducer encoder)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 12:53
S394	17	("3985448"   "4263506"   "4866268"   "5739911"   "5777322"   "5994692").PN. OR ("6198534").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 12:52
S395	1	S394 and ((detect detecting detection determine determining determination measure measuring measurement) same (parallax angle misalignment deviation inclination slope slant tilt skew orientation position) same (linear near3 (scale graduation rule scaling)) same (relative "with respect to" "relative to" respectively relatively) same ((scan scanner scanning optical) near3 (device apparatus appliance instrument unit element portion section part module assembly projector detector sensor transducer encoder)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 13:39



## EAST Search History

S396	2881	((detect detecting detection determine determining determination measure measuring measurement) with (parallax angle angular misalignment deviation inclination slope slant tilt skew orientation position)) and ((scan scanner scanning optical) near3 (device apparatus appliance instrument unit element portion section part module assembly projector detector sensor transducer encoder)) and (linear near3 (scale graduation rule scaling))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 13:54
S397	525	((detect detecting detection determine determining determination measure measuring measurement) with (parallax angle angular misalignment deviation inclination slope slant tilt skew orientation position) with ((scan scanner scanning read reader reading) near3 (device apparatus appliance instrument unit element portion section part module assembly projector detector sensor transducer encoder))) and (linear near3 (scale graduation rule scaling))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 13:42
S398	154	((detect detecting detection determine determining determination measure measuring measurement) with (parallax angle angular misalignment deviation inclination slope slant tilt skew orientation position) with ((scan scanner scanning read reader reading) near3 (device apparatus appliance instrument unit element portion section part module assembly projector detector sensor transducer encoder))) same (linear near3 (scale graduation rule scaling))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 13:49
S399	147	250/203.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/07/31 15:31
S400	137	250/203.7.ccls.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/07/31 15:31
S401	320	250/206.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/07/31 15:31
S402	50	250/206.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/07/31 15:31
S403	796	250/491.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/07/31 15:32

## EAST Search History

S405	182	(S399 S400 S401 S402 S403) and (position near3 (measurement measuring determining determination) near3 (system module portion part section device apparatus appliance))	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2007/07/31 15:39
S406	41	S405 and ((scanning scanner reading reader) near3 (device apparatus machine mechanism portion part section module assembly))	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2007/07/31 15:37
S407	57691	(position near3 (measurement measuring determining determination) near3 (system module portion part section device apparatus appliance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 15:39
S408	9361	(position near3 (measurement measuring determining determination) near3 (system module portion part section device apparatus appliance machine mechanism)) and ((scanning scanner reading reader) near3 (system module portion part section device apparatus appliance machine mechanism))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 15:41
S409	298	(position near3 (measurement measuring determining determination) near3 (system module portion part section device apparatus appliance machine mechanism)) and ((scanning scanner reading reader) near3 (system module portion part section device apparatus appliance machine mechanism)) and (linear near3 (scale scaling graduation rule ruling scaled ruled graduated marker))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 15:42
S410	49	(position near3 (measurement measuring determining determination) near3 (system module portion part section device apparatus appliance machine mechanism)) and (((scanning scanner reading reader) near3 (system module portion part section device apparatus appliance machine mechanism)) same (linear near3 (scale scaling graduation rule ruling scaled ruled graduated marker)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/07/31 15:43
S411	3	((misalignment skew deviation incline angle inclination) with ((scanning scanner reading reader) near3 (device apparatus appliance module portion section part)) with (respective relative respect) with (linear near3 (scale rule graduation scaling ruling graduated ruled scaled)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/08/01 07:25

## EAST Search History

S412	11	((misalignment skew deviation incline angle inclination) with (((scanning scanner reading reader) near3 (device apparatus appliance module portion section part)) ((scale rule graduation) near3 (encoder sensor detector transducer scanner reader))) with (respective relative respect) with (linear near3 (scale rule graduation scaling ruling graduated ruled scaled)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/08/01 07:11
S418	19	((misalignment skew deviation incline angle inclination) same ((scanning scanner reading reader) near3 (device apparatus appliance module portion section part)) same (respective relative respect) same (linear adj (scale rule graduation scaling ruling graduated ruled scaled)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/08/01 08:24
S419	128	((misalignment skew deviation incline angle inclination) same ((scanning scanner reading reader) near3 (device apparatus appliance module portion section part)) same (respective relative respect) same linear same (scale rule graduation scaling ruling graduated ruled scaled))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/08/01 07:32
S420	89	((measure determine detect measuring determining detecting measurement determination detection sense sensing sensed) same (misalignment skew deviation incline angle inclination) same ((scanning scanner reading reader) near3 (device apparatus appliance module portion section part)) same (respective relative respect) same linear same (scale rule graduation scaling ruling graduated ruled scaled))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/08/01 07:34
S422	1094	((measure determine detect measuring determining detecting measurement determination detection sense sensing sensed) and ((angle angular obliquity obliqueness) same (misalignment skew deviation incline incidence inclination)) and ((scanning scanner reading reader) near3 (device apparatus appliance module portion section part)) and (respective relative respect) and (linear same (scale rule graduation scaling ruling graduated ruled scaled)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/08/01 07:54

## EAST Search History

S426	18	((measure determine detect measuring determining detecting measurement determination detection sense sensing sensed) and (angle angular obliquity obliqueness) and (misalignment skew deviation incline incidence inclination) and ((scanning scanner reading reader) near3 (device apparatus appliance module portion section part)) and (linear adj (scale rule graduation scaling ruling graduated ruled scaled)) and ((diffractive magnetic capacitive) near3 (scanning reading scanner reader)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/08/01 08:20
S427	37	((scale rule scaling ruling graduation) with (scanner scanning scan read reading reader) with (machine mechanism assembly system apparatus appliance device instrument)) and ((determine define measure sense detect measuring measurement measured detected sensed detecting sensing detection determined determining determination defining definition) with (angle incline slope slant tilt inclination angularity obliquity obliqueness perpendicularity) with (linear adj (scale rule scaling ruling graduation)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/08/01 10:47
S428	1068	250/231.13.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:50
S429	664	250/231.14.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:50
S430	58	250/231.15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:50
S431	461	250/231.16.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:51
S432	126	250/231.17.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:51
S433	346	250/231.18.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:53
S434	96	(S428 S429 S430 S431 S432 S433) and (linear adj (track scale rule graduation scaling ruling))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:54
S435	20	(S428 S429 S430 S431 S432 S433) and (linear adj (track scale rule graduation scaling ruling)) and ((scanner reader scanning reading) adj (device apparatus machine mechanism instrument portion section module part element unit))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:55

## EAST Search History

S436	18	(S428 S429 S430 S431 S432 S433) and (linear adj (track scale rule graduation scaling ruling)) and ((scanner reader scanning reading) adj (device apparatus machine mechanism instrument portion section module part element unit)) and (angle incline obliquity perpendicularity slope slant tilt inclination angularity misalignment deviation)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:57
S437	63344	((position coordinate) near3 (measuring measurement determining determination) near3 (device apparatus module element unit appliance instrument portion part section))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 10:10
S438	24162	(linear near3 (scale rule graduation index indice))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:28
S439	1133028	((scanner scanning optical induction capacitance inductive capacitive) near3 (device apparatus module element unit appliance instrument portion part section))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 10:11
S440	25	((evaluation analysis analyzing) near3 (device apparatus module element unit appliance instrument portion part section)) same ((plural several many numerous multiple plurality multiplicity) near3 (angle incline slope slant tilt inclination angular)) same ((plural several many numerous multiple plurality multiplicity) near3 (site coordinate position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:34
S441	376	S437 and S438 and S439	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:34
S442	0	S440 and S441	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:34

## EAST Search History

S443	0	S441 and ((evaluation analysis analyzing) near3 (device apparatus module element unit appliance instrument portion part section)) and ((plural several many numerous multiple plurality multiplicity) near3 (angle incline slope slant tilt inclination angular)) and ((plural several many numerous multiple plurality multiplicity) near3 (site coordinate position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:36
S444	71	S441 and ((evaluation analysis analyzing) near3 (device apparatus module element unit appliance instrument portion part section))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:35
S445	22	S441 and ((plural several many numerous multiple plurality multiplicity) near3 (angle incline slope slant tilt inclination angular))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:35
S446	100	S441 and ((plural several many numerous multiple plurality multiplicity) near3 (site coordinate position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:39
S447	26	S441 and ((evaluation analysis analyzing) near3 (device apparatus module element unit appliance instrument portion part section)) and ((plural several many numerous multiple plurality multiplicity) near3 (site coordinate position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:37
S448	70	S441 and ((plural several many numerous multiple plurality multiplicity) with (site coordinate position)) and ((plural several many numerous multiple plurality multiplicity) with (angle incline slope slant tilt inclination angular))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:40
S449	249	S441 and (plural several many numerous multiple plurality multiplicity) and (site coordinate position) and (angle incline slope slant tilt inclination angular) and (time chronology chronologically chronologic chronological)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:42

## EAST Search History

S450	195	S441 and ((plural several many numerous multiple plurality multiplicity) same (site coordinate position)) and (angle incline slope slant tilt inclination angular) and (time chronology chronologically chronologic chronological)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:42
S451	80	S441 and ((plural several many numerous multiple plurality multiplicity) same (site coordinate position) same (angle incline slope slant tilt inclination angular)) and (time chronology chronologically chronologic chronological)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:59
S452	34	S441 and ((plural several many numerous multiple plurality multiplicity) same (site coordinate position) same (angle incline slope slant tilt inclination angular) same (time chronology chronologically chronologic chronological))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:43
S453	29797	((optical induction capacitance inductive capacitive) near3 (scanner scanning) near3 (device apparatus module element unit appliance instrument portion part section))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:57
S454	235991	((scanner scanning) near3 (device apparatus module element unit appliance instrument portion part section))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:58
S455	180	S437 and S438 and S454	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 09:58
S456	115	S455 and (plural several many numerous multiple plurality multiplicity) and (site coordinate position) and (angle incline slope slant tilt inclination angular) and (time chronology chronologically chronologic chronological)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 10:05

## EAST Search History

S457	83	S455 and ((plural several many numerous multiple plurality multiplicity) same (site coordinate position)) and (angle incline slope slant tilt inclination angular) and (time chronology chronologically chronologic chronological)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 10:01
S458	29	S455 and ((plural several many numerous multiple plurality multiplicity) same (site coordinate position) same (angle incline slope slant tilt inclination angular)) and (time chronology chronologically chronologic chronological)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 10:01
S459	15	S455 and ((plural several many numerous multiple plurality multiplicity) same (site coordinate position) same (angle incline slope slant tilt inclination angular) same (time chronology chronologically chronologic chronological))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 10:01
S460	5	S455 and ((plural several many numerous multiple plurality multiplicity) near3 (angle incline slope slant tilt inclination angular)) and ((plural several many numerous multiple plurality multiplicity) near3 (site coordinate position)) and (time chronology chronologically chronologic chronological)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 10:08
S461	1	S455 and ((plural several many numerous multiple plurality multiplicity) near3 (angle incline slope slant tilt inclination angular)) same ((plural several many numerous multiple plurality multiplicity) near3 (site coordinate position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 10:09
S462	36986	(position near3 (measuring measurement determining determination) near3 (device apparatus module element unit appliance instrument portion part section))	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 10:11
S463	643	(position near3 (measuring measurement determining determination) near3 (device apparatus module element unit appliance instrument portion part section)) and (linear near3 (scale rule graduation index indice))	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 10:11
S464	150	(position near3 (measuring measurement determining determination) near3 (device apparatus module element unit appliance instrument portion part section)) and (linear near3 (scale rule graduation index indice)) and ((scanner scanning) near3 (device apparatus module element unit appliance instrument portion part section))	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 10:12



## EAST Search History

S465	1	(position near3 (measuring measurement determining determination) near3 (device apparatus module element unit appliance instrument portion part section)) and (linear near3 (scale rule graduation index indice)) and ((scanner scanning) near3 (device apparatus module element unit appliance instrument portion part section)) and ((time chronology chronologically chronologic chronological) with (progression advancement))	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 10:16
S466	119	(position near3 (measuring measurement determining determination) near3 (device apparatus module element unit appliance instrument portion part section)) and (linear near3 (scale rule graduation index indice)) and ((scanner scanning) near3 (device apparatus module element unit appliance instrument portion part section)) and (time chronology chronologically chronologic chronological)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 10:17
S467	17	(position near3 (measuring measurement determining determination) near3 (device apparatus module element unit appliance instrument portion part section)) and (linear near3 (scale rule graduation index indice)) and ((scanner scanning) near3 (device apparatus module element unit appliance instrument portion part section)) and ((time chronology chronologically chronologic chronological) with (slope slant angle incline angular inclination))	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 10:18
S468	4	((angle inclination slant incline slope) with ((scanner scanning) near3 (device module apparatus))) same ((plural several plurality multiple numerous multiplicity many) with ((measured determined) near3 position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 11:33
S469	8	((angle inclination slant incline slope) with ((scanner scanning) near3 (device module apparatus))) same ((plural several plurality multiple numerous multiplicity many) with ((measured determined) with position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 11:59
S470	428	702/94.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/04 11:59
S471	264	702/95.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/04 11:59
S472	558	702/127.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/04 11:59

## EAST Search History

S473	382	702/151.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/04 12:00
S474	117	g01c17/38.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/04 12:02
S475	165	g01p21/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/04 12:01
S476	7457	g06f19/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/04 12:01
S477	72	g01d1/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/04 12:01
S478	92	g01c9/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/04 12:02
S479	157	g01c19/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/09/04 12:02
S480	121	(S470 S471 S472 S473 S474 S475 S476 S477 S478 S479) and (linear near3 (scale rule graduation index indice))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:07

## EAST Search History

S481	34	S480 and (scanner exposure scanning)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:08
S482	139	(S470 S471 S472 S473 S474 S475 S476 S477 S478 S479) and (linear near3 (scale rule graduation index indice track (code adj track)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:08
S483	38	S482 and (scanner exposure scanning)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:09
S484	657	"702"/\$.ccls. and (linear near3 (scale rule graduation index indice track (code adj track)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:09
S485	196	S484 and (scanner exposure scanning)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:09
S486	5	S485 and ((chronological time chronologically chronological) near3 (progression progressing progressive advancing advancement))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:11
S487	192	S485 and (chronological time chronologically chronological)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:11

## EAST Search History

S488	33	S485 and ((chronological time chronologically chronological) with (angle slope slant tilt inclination angular incline))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/04 12:12
S489	28586	(position near3 (measurement measuring) near3 (machine mechanism apparatus appliance system device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:51
S490	28913	((linear sequential) near3 (scale scaling ruling graduation mark indice index))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:14
S491	1380473	((scan scanner scanning reader reading optical beam beaming radiation) near3 (machine mechanism apparatus appliance system device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:53
S492	159424	((evaluation evaluating assessment judging assessing judgement) near3 (machine mechanism apparatus appliance system device program algorithm module software firmware processor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 10:49
S493	8004	((machine mechanism apparatus appliance system device program algorithm module software firmware processor part portion section) with (determine determining determination determined defining resolving define defined resolved resolution) with ((several many some plural multiple multiplicity plurality numerous few more) near4 (angle angular slant slope incline inclination sloping slanting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:37
S494	117	((machine mechanism apparatus appliance system device program algorithm module software firmware processor part portion section) with (determine determining determination determined defining resolving define defined resolved resolution) with ((chronologic time chronological time\$1wise chronology chronometric) near4 (progression sequence)) with (angle angular slant slope incline inclination sloping slanting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 10:56

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S495	59	S489 and S490 and S491 and (S492 (S493 and S494) (S492 and S493 and S494))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:11
S496	1	"5511321".pn.	USPAT	OR	OFF	2007/09/19 11:11
S497	1	"5511321".pn. and (S489 S490 S491 S492 S493 S494)	USPAT	OR	ON	2007/09/19 11:12
S498	139572	((scale scaling ruling graduation mark indice index) same (misalignment calibration correction correcting calibrating calibrated corrected misaligned misaligned))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:15
S499	183	S489 and S490 and S491 and S498	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:29
S500	0	S499 and S493 and S494	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:29
S501	1	S499 and (S493 S494)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:29
S502	204149	((several many some plural multiple multiplicity plurality numerous few more) near4 (angle angular incline inclination )))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:39
S503	67	S489 and S490 and S502	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:39

## EAST Search History

S504	557	((linear sequential) near3 position near3 (measurement measuring determining determination judging judgement) near3 (machine mechanism apparatus appliance system device assembly))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 11:53
S505	2591	((scan scanner scanning reader reading optical) near3 (machine mechanism apparatus appliance system device)) same ((move moved moving movement translation translate rotate rotation spin spinning turn turning displacing displacement) with (relative respect correlation correlated respectively relatively "with respect to") with (scale scaling graduation index indice ruling mark))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 12:01
S506	68723	((angle incline inclination angular slope slant obliquity obliqueness angularity) with ((scan scanner scanning reader reading optical) near3 (machine mechanism apparatus appliance system device)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 12:00
S507	40	S504 and S506	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 12:01
S508	28	S504 and S505	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 12:05
S509	9	S504 and S505 and S506	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/19 12:01